

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID: M108260  
Date Received: 06/09/06  
Date Extracted: 06/09/06  
Date Analyzed: 06/09/06  
Matrix: Water  
Units: ug/L (ppb)

Client: Alaskan Copper Works  
Project: Metro KC 24 hr Comp, PO# M108260  
Lab ID: 606113-01  
Data File: 606113-01.019  
Instrument: ICPMS1  
Operator: btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	86	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Chromium	940
Nickel	1,080
Copper	826
Zinc	<100

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank  
Date Received: Not Applicable  
Date Extracted: 06/09/06  
Date Analyzed: 06/09/06  
Matrix: Water  
Units: ug/L (ppb)

Client: Alaskan Copper Works  
Project: Metro KC 24 hr Comp, PO# M108260  
Lab ID: I6-279 mb  
Data File: I6-279 mb.008  
Instrument: ICPMS1  
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	88	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

**FRIEDMAN & BRUYA, INC.****ENVIRONMENTAL CHEMISTS**

Date of Report: 06/16/06

Date Received: 06/09/06

Project: Metro KC 24 hr Comp, PO# M108260, F&amp;BI 606113

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF WATER SAMPLES  
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 606100-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	1,240	1,260	0	0-20
Nickel	ug/L (ppb)	1,550	1,550	0	0-20
Copper	ug/L (ppb)	1,050	1,030	0	0-20
Zinc	ug/L (ppb)	24.9	25.4	2	0-20

Laboratory Code: 606100-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	200	1,240 b	103	50-150
Nickel	ug/L (ppb)	200	1,550 b	102	50-150
Copper	ug/L (ppb)	200	1,050 b	83	50-150
Zinc	ug/L (ppb)	500	24.9	98	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	200	102	70-130
Nickel	ug/L (ppb)	200	103	70-130
Copper	ug/L (ppb)	200	102	70-130
Zinc	ug/L (ppb)	500	101	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

June 16, 2006

**DUPLICATE COPY**

**INVOICE # 06ACU0616-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro KC 24 hr Comp, PO# M108260, F&BI 606113 - Results of testing requested by Gerry Thompson for material submitted on June 9, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (24 hr) 100% of \$80.00	<u>80.00</u>
Amount Due .....	\$ 160.00

FEDERAL TAX ID # (b) (6)

606113

## SAMPLE CHAIN OF CUSTODY

ME 06/09/06

A14

Send Report To

Gerald Thompson

Company

Alaskan Copper Works

Address

628 S. Harbor St

City, State, ZIP

Seattle WA 98137

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

Metro KC 24hr Camp

PO #

M108260

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 24-48 hrs

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	PC	Cy	MS	Zn	
M108260	01	6/9/06	11:20	H2O	1											

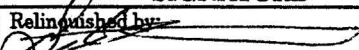
Friedman & Bruya, Inc.  
3012 16th Avenue West  
Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by: 

Received by:

PRINT NAME

G. Thompson

COMPANY

Aew

DATE

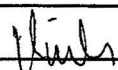
6/9/06

TIME

1:00pm

Relinquished by:

Received by:



VINH VO

FBI

6/9/06

1:00pm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

June 16, 2006

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 9, 2006 from the Metro KC 24 hr Comp, PO# M108260, F&BI 606113 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
ACU0616R